SIEMENS

MAMMOMAT 3000

SP

Service

Installation Instructions

Replacing/updating SW to version;

Generator V 1.4

Stand V 1.8

Valid for SW versions (without upgraded AEC);

Generator up to and incl. V 1.4

Kit part No. 62 98 694

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General

Software Spare Part Kit 62 98 694 is valid for all Mammomat 3000 units with ***serial number 2435 or lower which are not AEC upgraded*** (Generator software version 1.4 or lower).

If the unit is AEC upgraded (Generator software version 1.5 - 1.8), Software Spare Part Kit 62 98 702 shall be used instead.

Documents required

Installatuin and Start-up Instructions M3000.

Wiring Diagrams M3000.

Instructions for use/Operating instructions M3000.

Tools required

Standard installation tool kit.

Service PC (e.g. Siemens Nixdorf PCD3-NSX/20 or similar) with connection cable (99 00 440).

Soldering equipment (not needed if stand software 63 15 704 is installed).

Time required

1 hour / 1 pers.

Parts included

The Spare part kit 62 98 694 comprises the following parts:

Amount	Part No.	Name	SW-version
1	63 15 720	Control Panel PROM, D740/I10 IONTOMAT PROM, D701/J113 Master PROM, D702/J39	V 1.4
1	63 15 704	Stand PROM D801/I9	V 1.8
1	62 69 273	Service Program	V 1.1
1	64 27 459	Installation Instructions (this document)	-

Installation

Only when replacing; *Generator SW 69 65 265 and Stand SW 62 69 257*

1 Turn on mains and activate the system by pressing the ON-button on the generator control panel.

2 Press the leftmost program button and record kV, density correction, speed button (H or D) and anode/filter combination.

Repeat the procedure for the remaining three programs.

3 Using the service program (62 69 273 version 1.1 or a later version with the same part number);

- Enter "Main menu" and choose "Backup".
- Perform a backup of the control panel to a diskette.

4 Press the OFF-button on the generator control panel.

Switch the mains switch OFF.

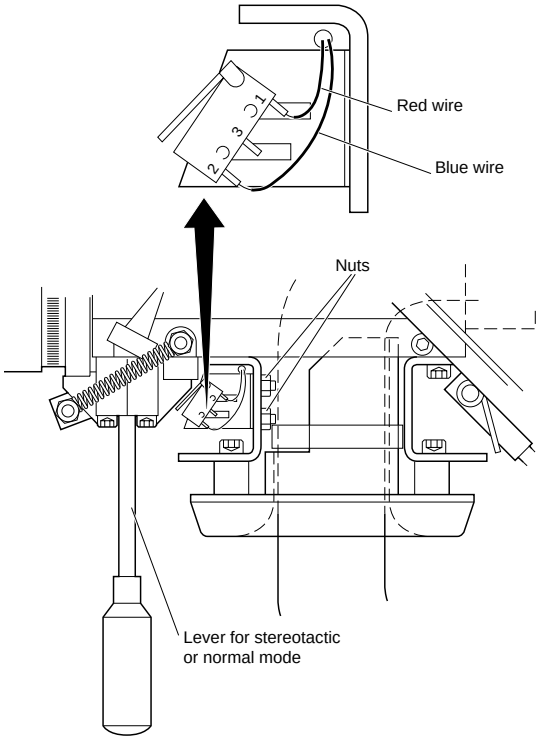
5 Remove the front cover from the generator.

Remove the right rear side cover and the shaft covers from the stand. For removal of this cover please refer to the Installation and Start-up Instructions.

Only when replacing; *Generator SW 69 65 265 and Stand SW 62 69 257*

6 Change polarity of the stereo lever switch S860 (switch for stereotactic or normal mode) by disconnecting the blue wire from pin 3 and soldering it to pin 2, see figure beside.

To facilitate the soldering, loosen the nuts and take out the switch, see figure beside.



7 Exchange all *four EPROMs* (Control Panel, Master, IONTOMAT and Stand);

I10 , to gain access to this EPROM on circuit board D740, Control Panel, the shielding grid cover should be removed;

- Loosen the screws on the side holding the grid cover.
- Disconnect protective ground from the grid cover and remove grid cover.

J39, on circuit board D702, Master board, see Wiring Diagram, pages 5-5 and 6-1.

J113, on circuit board D701, IONTOMAT PC board, see Wiring Diagram, pages 5-10 and 6-1.

I9, on CPU board D801, Stand, see Wiring Diagram,pages 3-6 and 3-12 (PROM).

Only when replacing; *Generator SW 69 65 265 and Stand SW 62 69 257*

8 Mains and system ON.

Using the new service program (62 69 273 version 1.1 or later versions with the same part number);

- Enter "Main menu".
  An error code will be displayed due to new PROM version.

9 Using the service program;

- Load the backup from the diskette into the control panel.
- Press the limit button on the control panel.

10 Reprogram the four programs with the values recorded in step 2, See Instructions for use/Operating Instructions, MAMMOMAT 3000.

Only when replacing; *Generator SW 69 65 265 and Stand SW 62 69 257*

11 Reprogram the four programs with the values recorded in step 2, see Instructions for use/Operating Instructions, MAMMOMAT 3000.

12 Check that the motorized movements function properly.

Make a short test exposure.

13 - Press the OFF-button on the generator control panel.

- Turn off mains.
- Remount the shielding grid cover as well as the other covers.